5/46

DART AEROSPACE
Description: Bracket asse
11 / 50/50 0/0 / 0//

Note: D3159-043 / -044 sa

Drawing: D3159 Rev. K B

PF *4.11.29

D3159-044	24687
	D3159-044
B 2468 / 19/100 F	(P B30-23000-260)
	Stack of 7
	2

	14 04.11.29				
Step	Location	loo. CA-19	Ву.	Date	Qty
1	EXPEDITING		93	05.10.26	2
2	HAAS				
		Blank size: 2.560" x 1.545" x .063" thick.			
		Grain along 1.545"			
		Matl: 6061-T6 .063" thick			
		Batch_M\8 <u>S5</u> 6	J.L	05-11-12	7
3	QC ·	Inspect Level 2			7
		·	J.L	05.11.13	7
4	QC	Inspect Level 8	En		
				05/11/13	7
5	METAL / CNC-CELL	Deburr break all unmarked sharp edges .005 to 0.010	SAP	05/11/13	7
6 A	METAL	Form as per drawing (Note: -044 OPPOSITE)	SB	05/11/14	7
6B	6A	C'sink holes as per Dwg. D3159	FF	05/11/19	7
7	FINISHING	Chemical conversion coat as per QSI 005 4.1	FF	05/11/19	7
8	STORES	Pick: Oty Part number Description 1 MS21061L06 Nutplate 2 MS20426AD3-4 Rivet Plants Plants Batch M.19035 Plants Plant	SB.	05/u/28	7
9	METAL	Assemble as per dwg.	S B	05/11/69	7
10	QC	Inspect Level 5	2	vs. 11.30	7
11	STORES	Identify and stock with PlN + Blw using fine paint permanent ink marker Luc. 88	/	5/12/01	7
12	EXPEDITING	Close W/O Inspect level 21 Cost/part Suc as (12/05 (2)	00	05/18/02	7

Rev	Date	Change	Revised By	Approved ,
Α	02.05.13	New Issue	NG	CC. 2002/5/13
A١	03.03.20	Added C'sink	Æ	#

RELEASED

O2/05/13

DF 04.11.29

Dart Aerospace Ltd

W/O:		WORK ORDER CHANGES							
DATE	STEP						Approval QC Inspector		
			·						

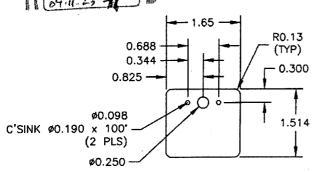
Part No: _	PAR #:	Fault Category:	NCR: Yes DQA:	Date: <u>05/12/02</u>
			QA: N/C Closed:	Date:

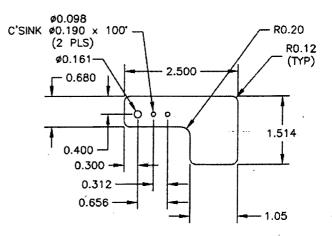
NCR: WORK ORDER NON-CONFORMANCE (NCR)							
	Description of NC		Corrective Action Section B		Varification	Approval Chief Eng	Annessal
STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C		Approval QC Inspector
	,						
	STEP	STEP Description of NC	STEP Description of NC Section A Initial	STEP Description of NC Corrective Action Section B Section A Initial Action Description	STEP Description of NC Section A Initial Action Description Sign &	STEP Description of NC Section A Initial Action Description Sign & Section C	STEP Description of NC Section A Initial Chief Eng Chief Eng Section B Sign & Date Chief Eng Chi

NOTE: Date & initial all entries



DESIG	H	DRAWN BY	DART AEROSPACE LTE HAWKESBURY, ONTARIO, CANADA)
CHECH	KED ,	APPROVED	DRAWING NO.	REV. B
	#	- 	D3159 SHEE	T 1 OF 1
DATE			TITLE	SCALE
04.1	0.18		BRACKET ASSEMBLY	1:2
Α		02.04.30	NEW ISSUE	
В		04.10.18	ADD PART MARKING	

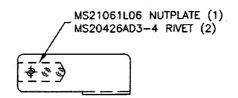




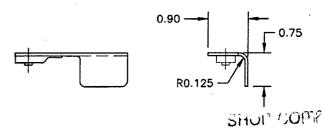
D3159-1 BRACKET FLAT PATTERN

0.75 -0.90 MS21059L06 NUTPLATE (1) MS20426AD3-4 RIVET (2) R0.125

D3159-3/-4 BRACKET FLAT PATTERN



D3159-041 BRACKET ASSEMBLY



D3159-043 BRACKET ASSEMBLY (SHOWN)ET JEN TO REPLACES PREMIER P/N B30-23000-259G NETDING (D3159-044 BRACKET ASSEMBLY (OBDOCITE) (D3159-044 BRACKET ASSEMBLY (OPPOSITE). REPLACES PREMIER P/N B30-23000-260) ED COFY

> TARVOY SUBJECT TO / WITHOUT NOTICE

NOTES:

BREAK EDGES 0.005 TO 0.010

ALL DIMENSIONS ARE IN INCHES

1) MATERIAL: 6061-T6 (QQ-A-250/11) 0.063 THICK (REF. DART SPEC. M6061T6S.063)
2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1
3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED

WORK ORD

IDENTIFY D3159-041/-043/-044 WITH DART P/N USING FINE POINT PERMANENT INK MARKER

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Job Costing Report

Dart Aerospace Ltd. Hawkesbury

Oct 25, 2005 04:04 pm

Work Order No : 0024687

Project Name : D3159-044 Project For : WK546

Work Order Type : Main Main WO Number :

House Part Number: D3159-044 Description : Bracket Assembly

Manufactured : Yes Amount Req'd : Amount Done :

0 : 10-25-05 Start Date

Est Finish Date : 11-15-05

Act Finish Date : Drawings Reqd : No Ok for Approval :

Approval Rec'd :

Department Code:

Burden Flags : NNNNNNN WO Status : Open

Invoice State : Not Invoiced

Invoice Date :

Invoice Number :

Invoice Amount: 0.00

Order Entry No :

OE Value : 0.00

Est Mark Up : 0.000% Actual Mark Up : 0.000%

\$0 Posted to Finished Goods

		Estimated	Actual	۷ar. %	Posted	To Post
Material Cost	= = : :	0.00	0.00	0.00	0.00	0.00
Engineering Hours	:	0.00	0.00	0.00		
Engineering Cost	:	0.00	0.00	0.00	0.00	0.00
Production Hours	:	0.00	0.00	0.00		
Production Cost	:	0.00	0.00	0.00	0.00	0.00
Packaging Hours	:	0.00	0.00	0.00		
Packaging Cost	:	0.00	0.00	0.00	0.00	0.00
OverHead Hours	:	0.00	0.00	0.00		
OverHead Cost	:	0.00	0.00	0.00	0.00	0.00
CNC Hours	:	0.00	0.00	0.00		
CNC	:	0.00	0.00	0.00	0.00	0.00
Misc. Hours	:	0.00	0.00	0.00		
Misc.	:	0.00	0.00	0.00	0.00	0.00
		========	=======	======		
Burden	:	0.00	0.00	0.00		
		========	========	======		
Total Cost	:	0.00	0.00	0.00		
Mark up	:	0.000	0.000			
Selling Cost	:	0.00	0.00			

Estimated Actual 0.00 Labour Hrs/Amount Done : 0.00 Profits/(Loss) 0.00 0.00

ART AEROSE	PACE LTD		10 dt	'	Work Order:	246 87
escription:	brucket a	assembly			Part Number:	D3159-044
nspection Dwg:	13159 Re	v: B				Page 1 of 1
	FIRS	First Artic		ON CHE		
Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments
				~		· · · · · · · · · · · · · · · · · · ·
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	a a a der carrier de sante des appetitues de l'appetitues de l		<i>y</i>			
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M.	And the second section (1) and the second sectin					
	endersystem forte services and the entertainty of the services.				-	·
		:				
						- LE ¹
		<u> </u>				
easured by:	J.L 51113	Audited by: 2	- 10	Pr	ototype Appro	val: 11A

Qty:

2 Um:

Each

: BRACKET ASSEMBLY

: D3159044

: 11/30/2005

; B

: D3159 REV B

Date:

Friday, 11/18/2005 9:45:43 AM

User:

Linda Lacelle

Process Sheet

Drawing Name

Part Number

Material

Due Date

Drawing Number

Project Number

Drawing Revision

Customer

: CU-DAR001 Dart Helicopters Services

S.O. No. :

Type

Job Number

: 24687

Estimate Number

: 10682

P.O. Number This Issue

: 11/18/2005

: NC Prsht Rev.

: //

: 24707

Written By

Checked & Approved By

First Issue

Comment

Previous Run

: R & D SM/MED FAB

: Est A 02.05.13 New Issue NG

Additional Product

Job Number:



Seq. #:

Machine Or Operation:

Description: 6061-T6 .063 Sheet

1.0

HAAS1

M6061T6S063

HAAS CNC VERTICAL MACHINING #1

2.0

Comment: HAAS CNC VERTICAL MACHINING #1 Machine as per Folio FA238

3.0

QC2



INSPECT PARTS AS THEY COME OFF MACHINE



Comment: INSPECT PARTS AS THEY COME OFF MACHINE

4.0

QC8



SECOND CHECK



Comment: SECOND CHECK

5.0

HAAS1

HAAS CNC VERTICAL MACHINING #1





Comment: HAAS CNC VERTICAL MACHINING #1

Deburr break all unmarked sharp edges .005 to 0.010

Form as per drawing (Note: -044 OPPOSITE)

C'sink holes as per Dwg D3159

Date: User: Friday, 11/18/2005 9:45:44 AM

Linda Lacelle

Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: BRACKET ASSEMBLY

Job Number: 24687

Part Number: D3159044

Job Number:



Seq. #:

Machine Or Operation:

Description:

6.0

HAND FINISHING1

HAND FINISHING RESOURCE #1





Comment: HAND FINISHING RESOURCE #1

Chemical Conversion Coat as per QSI 005 4.1

7.0 MS21061L06 8.0 MS20426AD34 Nutplate RIVET

8.0 MS20426AD349.0 SMALL FAB 1

QC5

SMALL & MEDIUM FAB RESOURCE 1





Comment: SMALL & MEDIUM FAB RESOURCE 1

Assemble as per dwg.

10.0





Comment: INSPECT WORK TO CURRENT STEP

11.0

PACKAGING 1

PACKAGING RESOURCE #1



Comment: PACKAGING RESOURCE #1

Identify with P/N and B/N using a permanent fine point marker, then Stock

Location:

12.0

DC

DOCUMENT CONTROL



Comment: DOCUMENT CONTROL

Inspection Level 21

Job Completion



Job Costing Report

Dart Aerospace Ltd. Hawkesbury

Nov 08, 2005

12:44 pm

Work Order No : 0024687

Project Name : D3159-044
Project For : WK546

Work Order Type : Main Main WO Number :

House Part Number: D3159-044 Description : Bracket Assembly

Manufactured : Yes

Amount Req'd: 2
Amount Done: 0
Start Date: 10-25-05

Est Finish Date : 11-15-05

Act Finish Date : Drawings Reqd : No

Ok for Approval : Approval Rec'd :

Department Code:

Burden Flags : NNNNNNN

WO Status : Open

Invoice State : Not Invoiced Invoice Date :
Invoice Number :
Invoice Amount : 0.00

Order Entry No :

OE Value : 0.00

Est Margin : 0.000% Actual Margin : 0.000%

\$0 Posted to Finished Goods

		Estimated	Actual	۷ar. %	Posted	To Post
=======================================	==:	==== == =====	=======================================	=======	=========	=======================================
Material Cost	:	0.00	0.00	0.00	0.00	0.00
Engineering Hours	:	0.00	0.00	0.00		
Engineering Cost	:	0.00	0.00	0.00	0.00	0.00
Production Hours	:	0.00	0.00	0.00		
Production Cost	:	0.00	0.00	0.00	0.00	0.00
Packaging Hours	:	0.00	0.00	0.00		
Packaging Cost	:	0.00	0.00	0.00	0.00	0.00
OverHead Hours	:	0.00	0.00	0.00		
OverHead Cost	:	0.00	0.00	0.00	0.00	0.00
CNC Hours	:	0.00	0.00	0.00		
CNC	:	0.00	0.00	0.00	0.00	0.00
Misc. Hours	:	0.00	0.00	0.00		
Misc.	:	0.00	0.00	0.00	0.00	0.00
		========	========	======		
Burden	:	0.00	0.00	0.00		
		=======	========	======		
Total Cost	:	0.00	0.00	0.00		
Margin	:	0.000	0.000			
Selling Cost	:	0.00	0.00			

		Estimated	Actual
Labour Hrs/Amount Done	:	0.00	0.00
Profits/(Loss)	:	0.00	0.00